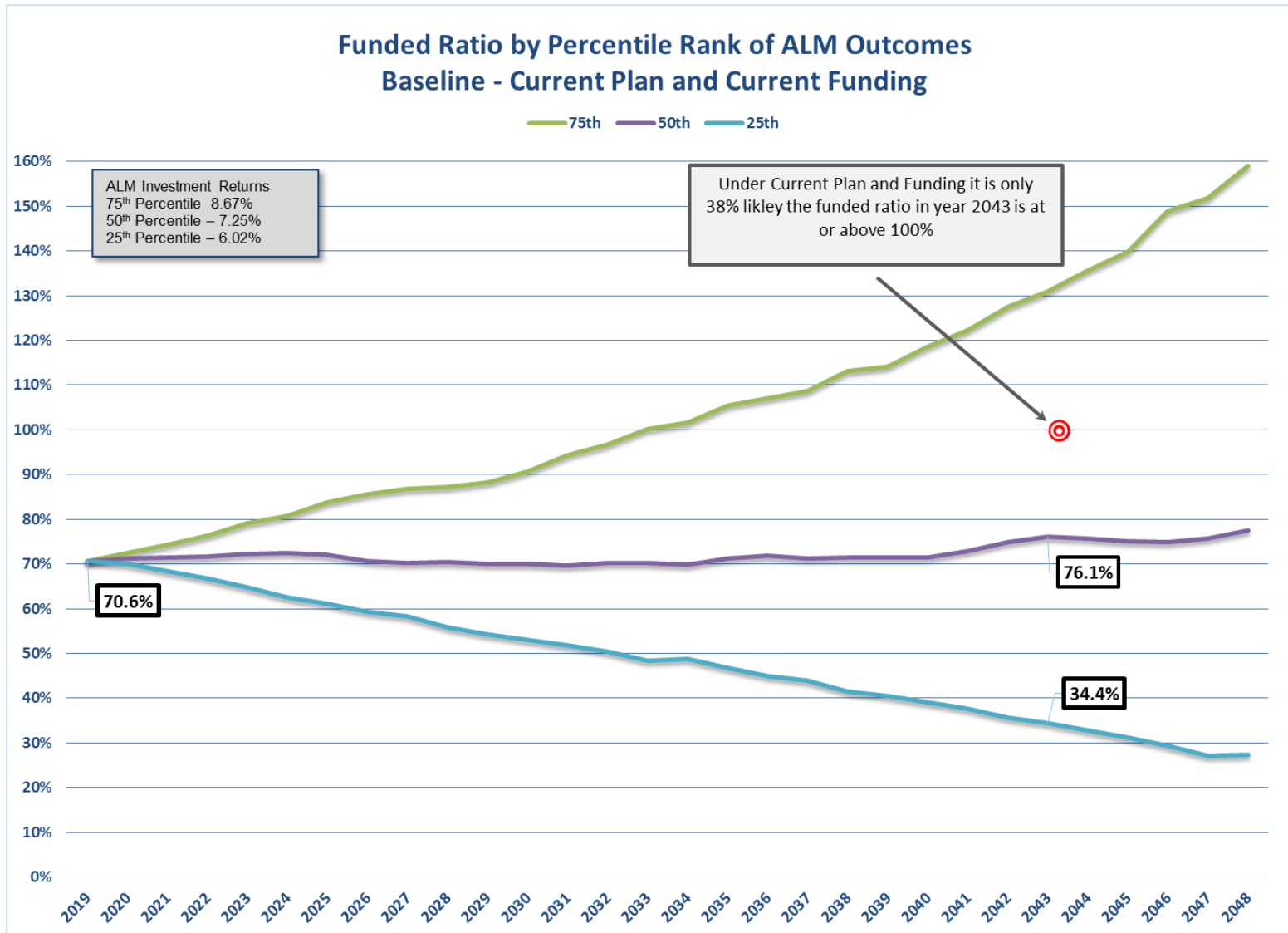


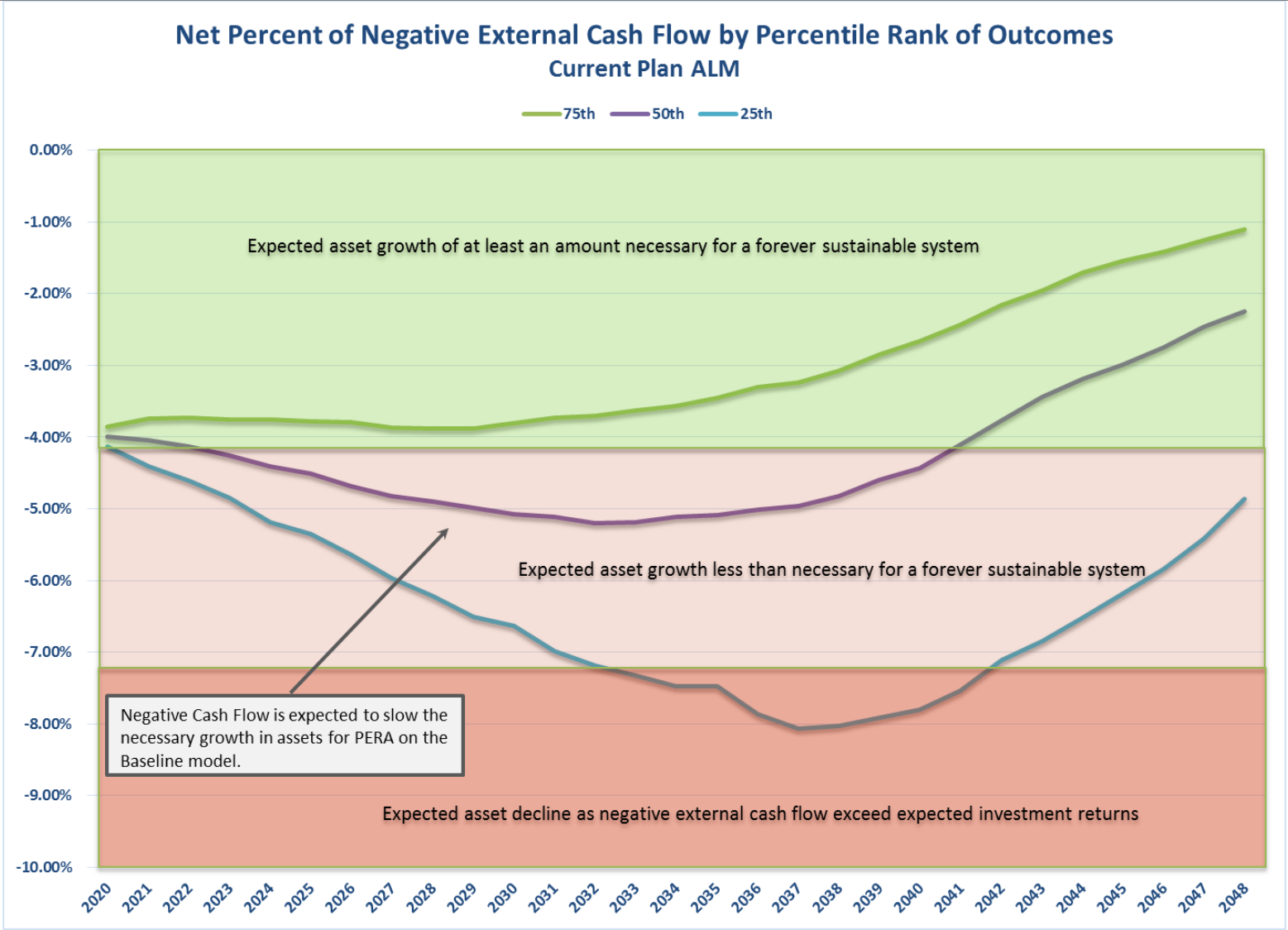
Analysis of Recessionary Impact on PERA

August 8, 2019

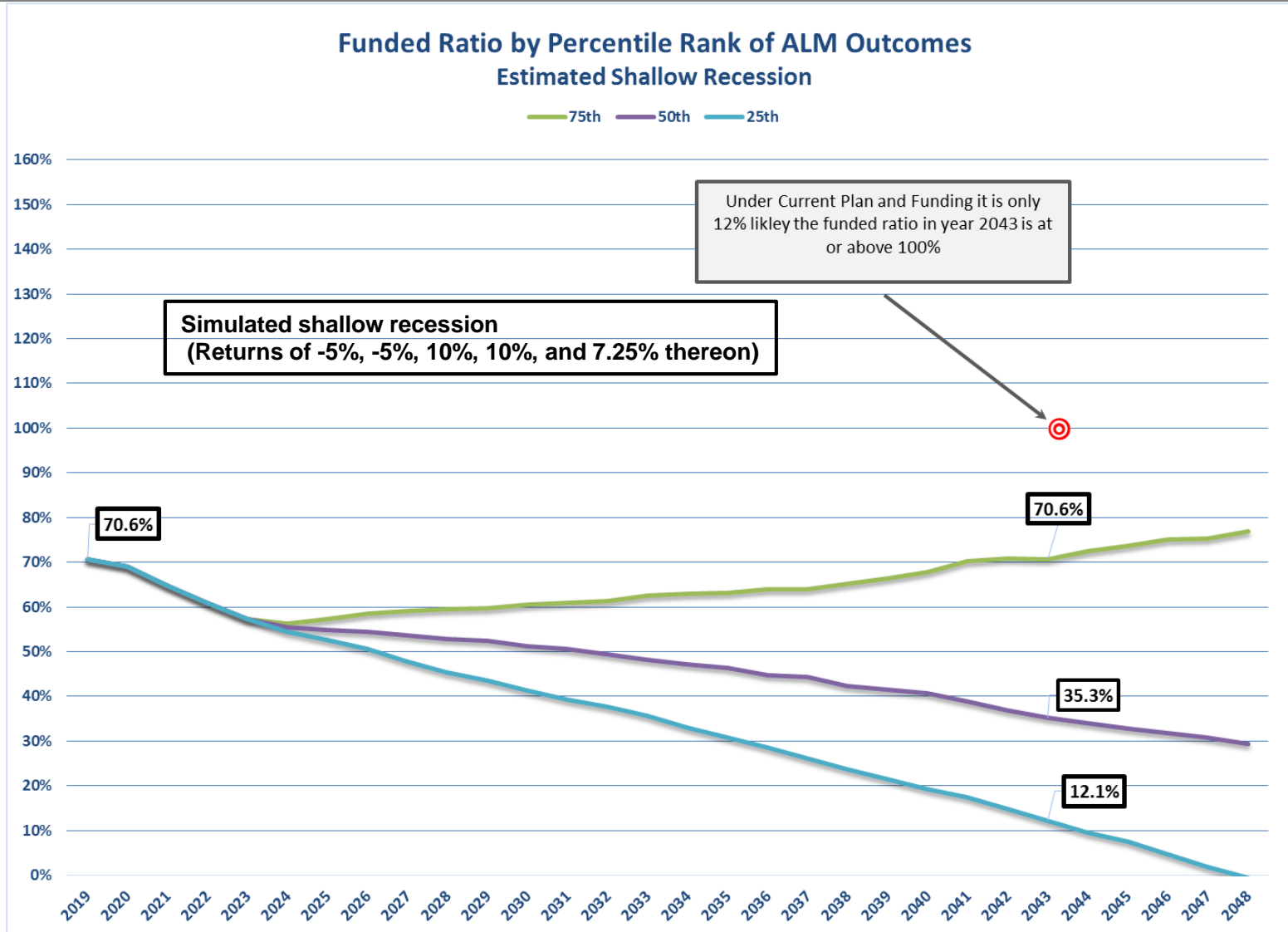
Current ALM Projection



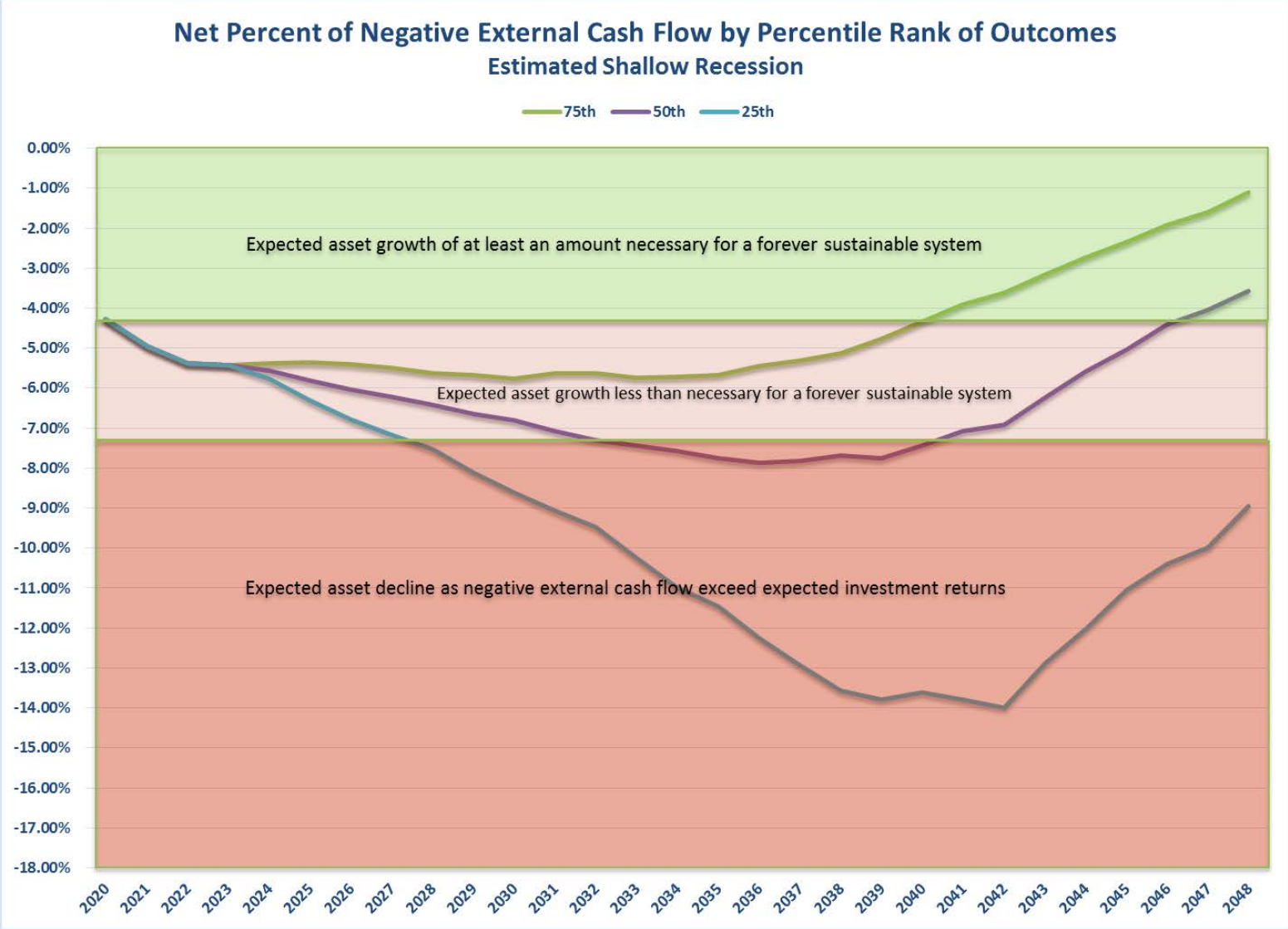
Current ALM Cash Flow Projection



Impact of a Shallow Recession



Impact of a Shallow Recession on Cash Flow



Additional Cost of Delaying Paying Off Unfunded Liability

Amortization of June 30, 2018 Unfunded Liability

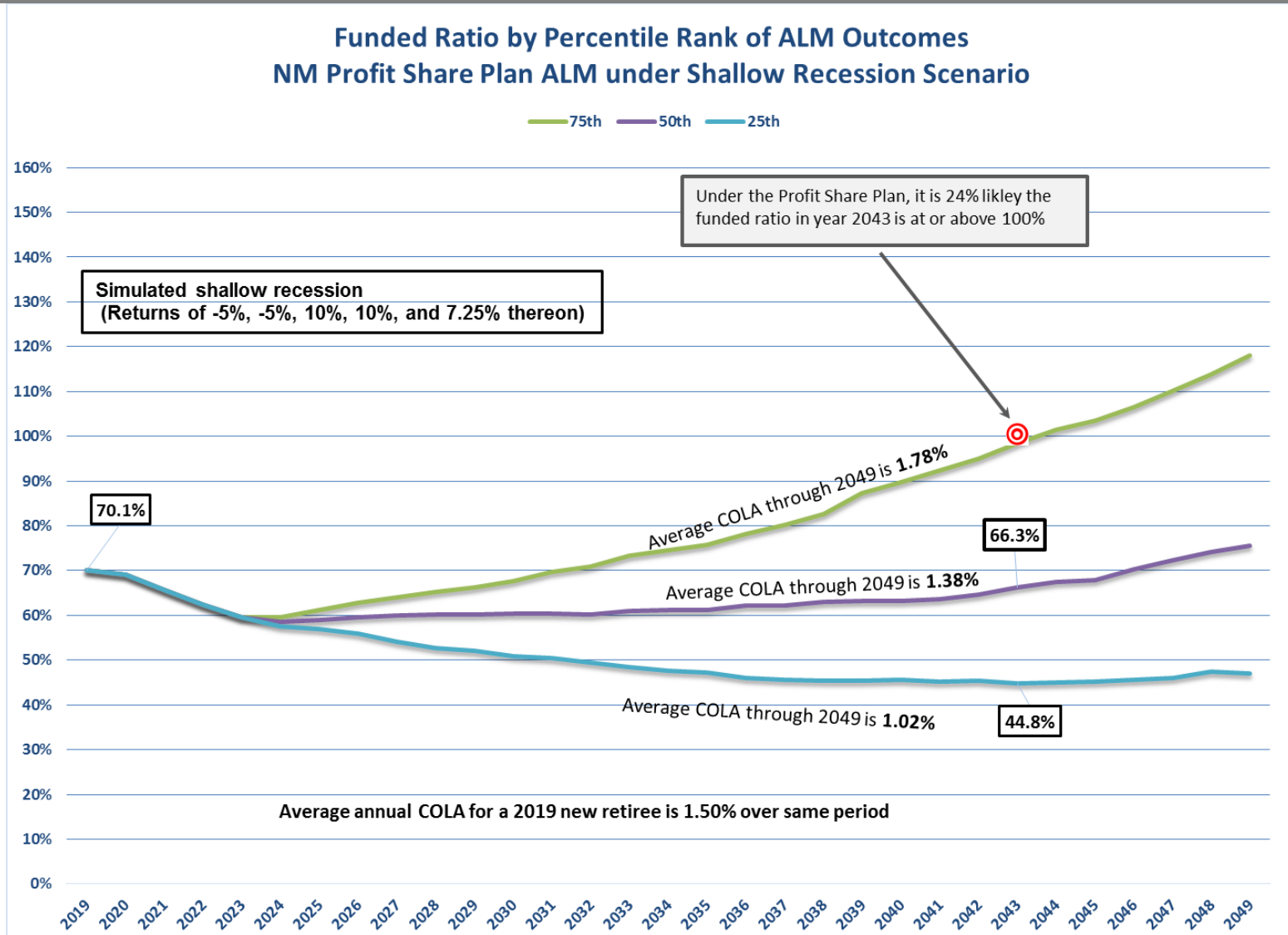
Comparison of the Total of Future Amortization Payments over Various Amortization Periods

Amortization Period	Amortization of \$6.1 billion UAAL under 7.25% Discount Rate Total of Payments*	Amortization of \$8.0 billion UAAL under 6.50% Discount Rate Total of Payments*
25 Year	\$13,765,698,517	\$17,025,241,923
30 Year	16,259,994,596	19,874,137,712
40 Year	22,591,296,119	27,044,655,086
50 Year	31,224,865,583	36,738,704,758

*Uses Level Percent of Payroll Amortization method

NM Profit Share Recommendations

Stress Testing in a Shallow Recession Scenario



NM Profit Share Recommendations

Stress Testing in a Shallow Recession Scenario

